




Department of Energy

Washington, DC 20585

July 18,2000

MEMORANDUM FOR THE DEPUTY SECRETARY

FROM: 
Theodore A. Wyka, Director,
Safety Management Implementation Team

SUBJECT: Integrated Safety Management (ISM) Implementation

The attached ISM Implementation Milestone Completion Status chart is submitted in accordance with your October 25, 1999, request for periodic updates.

The **Offices** of Fossil Energy (FE) and Energy Efficiency and Renewable Energy (EE) have declared ISM implemented at all of their major sites and offices. The emphasis in ISM at all FE and EE offices and sites from this point forward should be on sustaining and improving their ISM programs in accordance with guidance the Department has promulgated.

Four major field elements under the **Office** of Environmental Management (EM) have reported ISM implemented at their sites: Savannah River Operations Office, Rocky Flats Field **Office**, Ohio Field **Office** and the **Office** of River Protection. Verification activities have also been completed at all major facilities under EM's Idaho and **Richland** Operations **Offices**, with declarations of ISM implementation targeted for August and September 2000, respectively.

The other program and field offices have indicated that their ISM verification activities are proceeding on schedules that should support their declarations of ISM implementation by the September 30,2000, milestone date. There are several sites or facilities, however, that have ISM verifications (or re-verifications) scheduled in late August or September, with attendant higher risk of missing the September 30, 2000, milestone, should complications arise. These include the Yucca Mountain Site Characterization Office, Argonne National Laboratory, Nevada Test Site, Oak Ridge's Y-12 Plant, Oak Ridge National Laboratory, and Lawrence Livermore National Laboratory. Additionally, Albuquerque Operations **Office** is re-evaluating its plan for re-verification dates at Los **Alamos** National Laboratory facilities because of the recent fires near Los **Alamos**.

I am prepared to discuss the information in this memorandum and its attachment with you in more detail, at your convenience.

Attachment



Memorandum
Theodore A. Wyka
July 18,2000
Page 2

cc:

T. Gioconda, Acting DP- 1
D. Reicher, EE- 1
C. Huntoon, EM-1
R. Gee, FE-1
W. Magwood, NE-1
I. Itkin, RW- 1
J. Decker, Acting SC-1
R. Glass, Manager, Albuquerque Operations Office
R. San Martin, Manager, Chicago Operations Office
B. Cook, Manager, Idaho Operations Office
K. Carlson, Manager, Nevada Operations Office
L. Dever, Manager, Oak Ridge Operations Office
C. Yuan-Soo Hoo, Acting Manager, Oakland Operations Office
S. Brechbill, Manager, Ohio Field Office
K. Klein, Manager, Richland Operations Office
R. French, Manager, Office of River Protection
B. Mazurowski, Manager, Rocky Flats Field Office
G. Rudy, Manager, Savannah River Operations Office
R. Bajura, National Energy Technology Laboratory
G. Dooley, Albany Research Center
W. Gibson, Strategic Petroleum Reserve Project Management Office
C. Turner, Naval Petroleum Reserves-Colorado, Utah and Wyoming
W. Lawson, National Petroleum Technology Office
F. Stewart, Manager, Golden Field Office
C. Gill, OECM
E. Livingston, OSE
D. Michaels, EH- 1
D. Stadler, EH-2
M. Whitaker, S-3.1
SMIT Points of Contact

Integrated Safety Management Implementation Milestone Completion Status




**(Based on Field Self-Reported Data Collected by the
Safety Management Implementation Team)**













July 17,2000



Director, SMIT

Milestone Key

General			
	<ul style="list-style-type: none"> Complete. 		<ul style="list-style-type: none"> In progress.
	<ul style="list-style-type: none"> Management attention needed. 	NA	<ul style="list-style-type: none"> Not applicable.

Specific			
Line Self-Assessment	P 450.5 <i>Line Environment, Safety & Health Oversight</i> requires line management self-assessment of Integrated Safety Management System (ISMS) implementation.	Phase I	Phase I Validation – complete when contractor’s ISMS description approved by DOE field office. Deadline is 9/99 for Priority Facilities, and 9/00 for Remaining Facilities.
	<ul style="list-style-type: none"> Line management self-assessment system implemented & functioning. 		<ul style="list-style-type: none"> Phase I ISMS description approved by field office.
	<ul style="list-style-type: none"> Line management self-assessment system formalized. 		<ul style="list-style-type: none"> Phase I ISMS description field office review in progress.
	<ul style="list-style-type: none"> Line management self-assessment system under development. 		<ul style="list-style-type: none"> Phase I ISMS description not submitted, not reviewed, or not approved by field office.
Phase II	Phase II Verification – complete when contractor’s ISMS is verified. Deadline – 9/99 for Priority Facilities, and 9/00 for Remaining Facilities.	Authorization Agreement	Agreement between DOE & contractor to operate high-hazard (category 1 & 2) facility for defined scope of work.
	<ul style="list-style-type: none"> Phase II verification complete. 		<ul style="list-style-type: none"> Authorization agreement issued.
	<ul style="list-style-type: none"> Phase II verification scheduled or in progress. 		<ul style="list-style-type: none"> Authorization agreement field office review in progress.
	<ul style="list-style-type: none"> Phase II verification milestone exceeded, or verification review scheduled within 3 months of deadline, e.g., within 3 months of 9/99 for Priority Facilities, or within 3 months of 9/00 for Remaining Facilities. 		<ul style="list-style-type: none"> Authorization agreement not submitted, not reviewed, or not approved by field office.


















DEPARTMENT OF ENERGY OFFICES

**Progress Toward Implementation of
INTEGRATED SAFETY MANAGEMENT**

By the September 2000 Milestone Date

Department of Energy Offices

Progress Toward Implementation of ISM by September 2000

Defense Programs		Environmental Management	
Albuquerque Operations Office		Idaho Operations Office	
Nevada Operations Office		Office of River Protection	
		Ohio Field Office	
Science		Richland Operations Office	
Chicago Operations Office		Rocky Flats Field Office	
Oak Ridge Operations Office		Savannah River Operations Office	
Oakland Operations Office		Fossil Energy	
Energy Efficiency & Renewable Energy		Civilian Radioactive Waste Management	















PRIORITY FACILITIES

**Progress Toward Implementation of
INTEGRATED SAFETY MANAGEMENT**










By the September 2000 Milestone

PRIORITY FACILITIES





















LEAD PROGRAM SECRETARIAL OFFICE – DEFENSE PROGRAMS

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
ALBUQUERQUE OPERATIONS OFFICE					
LANL, TA-55 Facility					 Combined Phase I / II verification was completed October 22, 1999, combined with an “off ramp” review. Corrective actions are in progress. SMS Description was approved January 5, 2000. Partial LANL Phase II re-verifications are scheduled for [TBD] at selected facilities, including TA-55.
LANL, TA-3 Facility (CMR)					 Combined Phase I / II verification was completed October 22, 1999, combined with an “off ramp” review. Corrective actions are in progress. SMS Description was approved January 5, 2000. Partial LANL Phase II re-verifications are scheduled for [TBD] at selected facilities, including CMR.
PANTEX					ISM Milestones are complete.

LEAD PROGRAM SECRETARIAL OFFICE – SCIENCE

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
OAKLAND OPERATIONS OFFICE					
LLNL Bldg. 332 ("Superblock")					ISM milestones are complete.
OAK RIDGE OPERATIONS OFFICE					
LMES, Y-12 Plant					 An additional Phase II verification is scheduled for August 14-25, 2000, to include Enriched Uranium Operations, non-nuclear facilities, and a sampling of nuclear facilities.

LEAD PROGRAM SECRETARIAL OFFICE – ENVIRONMENTAL MANAGEMENT






























Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
RICHLAND OPERATIONS OFFICE					
Spent Nuclear Fuel Project (ex-"K-Basins")					ISM milestones are complete. A Fluor Hanford, Inc. (FHI), site-wide Phase I verification (including the SNF Project) was completed April 28, 2000, and the SMS Description was approved June 9, 2000. A Phase II verification commenced June 12, 2000, and was completed July 13, 2000. An FHI Corrective Action Plan for 10 identified opportunities for improvement is being formulated.
ROCKY FLATS FIELD OFFICE					
Bldg. 771					ISM milestones are complete. On January 31, 2000, the Manager, Rocky Flats Field Office, declared ISM implemented at Rocky Flats.
Bldg. 371/374					ISM milestones are complete. On January 31, 2000, the Manager, Rocky Flats Field Office, declared ISM implemented at Rocky Flats.
SAVANNAH RIVER OPERATIONS OFFICE					
F- and H-Canyons					ISM milestones are complete. On December 29, 1999, the Manager, Savannah River Operations Office, declared ISM implemented at SRS.
OFFICE OF RIVER PROTECTION					
River Protection Project (ex-"TWRS")					ISM milestones are complete. On July 14, 2000, the Manager, Office of River Protection, declared ISM implemented at the River Protection Project.

REMAINING FACILITIES

























**Progress Toward Implementation of
INTEGRATED SAFETY MANAGEMENT
By the September 2000 Milestone**

REMAINING FACILITIES




















LEAD PROGRAM SECRETARIAL OFFICE – DEFENSE PROGRAMS

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
ALBUQUERQUE OPERATIONS OFFICE					
Carlsbad -- Waste Isolation Pilot Plant					ISM milestones are complete.
Los Alamos National Laboratory					 Combined Phase I / II verification was completed October 22, 1999. SMS Description was approved January 5, 2000. Partial Phase II re-verifications of selected facilities, focusing on 3 core expectations not met, will be conducted [TBD].
Sandia National Laboratory					ISM milestones are complete.
NEVADA OPERATIONS OFFICE					
Bechtel Nevada Contract (PBMC)					Phase I verification was completed May 4, 2000, and the SMS Description has been approved. Phase II verification is scheduled for September 11-22, 2000.
Device Assembly Facility, Area 6					Phase I verification was completed May 4, 2000, and the SMS Description has been approved. Phase II verification is scheduled for September 11-22, 2000.
Waste Management Facilities					Phase I verification was completed May 4, 2000, and the SMS Description has been approved. Phase II verification is scheduled for July 17-21, 2000.
U1a Complex					Phase I verification was completed May 4, 2000, and the SMS Description has been approved. Phase II verification is scheduled for September 11-22, 2000.













LEAD PROGRAM SECRETARIAL OFFICE – ENVIRONMENTAL MANAGEMENT

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
IDAHO OPERATIONS OFFICE					
INEEL-Stage 1: ATR, CFA Big Shop, RWMC, etc.					Completed Phase I Verification April 1999. Completed Phase II Verification September 1999. One Phase II objective was re-examined at RWMC during INEEL Stage 2 verification, March 20-24, 2000.
INEEL-Stage 2: SMC, IFF, RWMC (1 Obj.)					Completed Phase I Verification April 1999. Completed Phase II Verification March 20-24, 2000.
INEEL-Stage 3: INTEC, Test Area North, Balance of INEEL Facilities					Completed Phase I Verification April 1999. Phase II Verification was completed June 15, 2000.
OHIO FIELD OFFICE					
West Valley Demonstration Project					ISM milestones are complete. On June 30, 2000, the Manager, Ohio Field Office, declared ISM implemented at the West Valley Demonstration Project.
Fernald Environmental Mgmt. Project					ISM milestones are complete. On June 30, 2000, the Manager, Ohio Field Office, declared ISM implemented at the Fernald Environmental Management Project.
Mound Environmental Mgmt. Project					ISM milestones are complete. On June 30, 2000, the Manager, Ohio Field Office, declared ISM implemented at the Mound Environmental Management Project.
















LEAD PROGRAM SECRETARIAL OFFICE – ENVIRONMENTAL MANAGEMENT

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
RICHLAND OPERATIONS OFFICE					
Pacific Northwest National Lab.					ISM milestones are complete.
Environmental Restoration Contract (BHI)					ISM Milestones are complete.
Fluor Hanford, Inc. (FHI) Management Contract				NA	ISM milestones are complete. A Fluor Hanford, Inc. (FHI), site-wide Phase I verification was completed April 28, 2000, and the SMS Description was approved June 9, 2000. A site-wide Phase II verification commenced June 12, 2000, and was completed July 13, 2000. An FHI Corrective Action Plan for 10 identified opportunities for improvement is being formulated.
Nuclear Mat'l Stabilization Proj. (ex-"PFP")					ISM milestones are complete. A Fluor Hanford, Inc. (FHI), site-wide Phase I verification was completed April 28, 2000, and the SMS Description was approved June 9, 2000. A site-wide Phase II verification commenced June 12, 2000, and was completed July 13, 2000. An FHI Corrective Action Plan for 10 identified opportunities for improvement is being formulated.
FHI "Balance of Site"					ISM milestones are complete. A Fluor Hanford, Inc. (FHI), site-wide Phase I verification was completed April 28, 2000, and the SMS Description was approved June 9, 2000. A site-wide Phase II verification commenced June 12, 2000, and was completed July 13, 2000. An FHI Corrective Action Plan for 10 identified opportunities for improvement is being formulated.





























LEAD PROGRAM SECRETARIAL OFFICE – ENVIRONMENTAL MANAGEMENT (continued)

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
ROCKY FLATS FIELD OFFICE					
Bldg. 559 (Analysis Lab) & Bldg. 707					ISM milestones are complete. On January 31, 2000, the Manager, Rocky Flats Field Office, declared ISM implemented at Rocky Flats.
Bldg. 774 Waste Processing & Bldg. 776					ISM milestones are complete. On January 31, 2000, the Manager, Rocky Flats Field Office, declared ISM implemented at Rocky Flats.
SAVANNAH RIVER OPERATIONS OFFICE					
All Site Facilities					ISM milestones are complete Site-wide: – Canyons; HB-Line; 235-F Vault; DWPF; WTP; HLW Tank Farms; RBOF; L-Basin; K-Basin; Tritium Facilities. On December 29, 1999, the Manager, Savannah River Operations Office, declared ISM implemented at SRS.



































LEAD PROGRAM SECRETARIAL OFFICE – SCIENCE

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
CHICAGO OPERATIONS OFFICE					
Ames Laboratory				NA	ISM Milestones are complete.
Argonne Nat'l Laboratory (East & West)					 Combined Phase I / II verification was completed February 18, 2000. One major conclusion was that the ANL SMS Description had to be revised. A Corrective Action Plan has been submitted by ANL to Chicago's Argonne Group (ARG) for approval. The revised SMS Description will be submitted to ARG by July 30, 2000. All corrective actions are to be completed by August 31, 2000.
Brookhaven National Laboratory					ISM milestones are complete.
Environmental Measurements Laboratory				NA	ISM milestones are complete.




LEAD PROGRAM SECRETARIAL OFFICE – SCIENCE (continued)

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
CHICAGO OPERATIONS OFFICE (continued)					
Fermi Laboratory				NA	ISM milestones are complete.
New Brunswick Laboratory					Combined Phase I / II verification is scheduled for August 7-11, 2000.
Princeton Plasma Physics Laboratory				NA	ISM milestones are complete.
OAKLAND OPERATIONS OFFICE					
LLNL Bldg. 331 ("Superblock")					ISM milestones are complete.
LLNL Bldg. 334 ("Superblock")					ISM milestones are complete.
LLNL Site (less "Superblock")				NA	 SMS Description was approved April 28, 2000. A site-wide Phase IA / IIA verification was completed December 10, 1999. The Phase IB / IIB site-wide verification conducted May 1-12, 2000, identified concerns with the extent of implementation. Remaining portions of the ISM implementation Phase II verification will be conducted September 11-21, 2000.
Lawrence Berkeley Nat'l Laboratory				NA	ISM milestones are complete.
Stanford Linear Accelerator				NA	ISM milestones are complete.
















LEAD PROGRAM SECRETARIAL OFFICE – SCIENCE (continued)

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
OAK RIDGE OPERATIONS OFFICE					
Bechtel Jacobs Company LLC					 Combined Phase I / II verification was completed February 18, 2000. SMS Description was approved April 3, 2000. Corrective actions are in progress and are expected to be completed by September 15, 2000. 22 AA's covering 162 facilities are expected to be completed by August 31, 2000.
BNFL, Inc. – 3 Bldg D&D at ETTP					 Phase I verification commenced June 19, 2000, and was completed June 30, 2000. The SMS Description was approved. Phase II verification commenced July 10, 2000, but was suspended July 12, 2000 because of concerns over the status of <u>implementation of the approved SMS</u> .
DRS – Bldg. K-1420				NA	Combined Phase I / II verification was completed April 7, 2000. Revised SMS Description was approved June 19, 2000. The ORO Manager determined that DRS has implemented and is performing ISM.
East Tenn. M&EC Bldg. K-1200			Note 1	NA	Phase I verification is scheduled for August 21-25, 2000. A Phase II verification will be performed at that time if work is proceeding in Building K-1200. Note 1: Contract is a "zero dollar" contract, so the work schedule depends on when the contractor can identify a funding source. If work is being performed during the Phase I time frame, a Phase II verification will also be performed.
ETMC-- Vehicles, Grounds, Roads				NA	 Combined Phase I / II Verification is scheduled for August 7-11, 2000.
Foster-Wheeler ENC: TRU Plant				NA	Plant is under construction at ORNL, estimated to be completed November 2002. Phase I Verification (Design phase only) will be conducted September 5-13, 2000. Verifications at other phases (construction, operation, D&D) will follow, starting in FY 2001.
LMER - ORNL (incl. Bldg. 3019)					Phase I verification completed. Phase II Verification completed; Phase II follow-up reviews of the Chemical Technology program (includes Bldg. 3019) and "Plant & Equipment" are to be completed by September 18, 2000.
MK-Ferguson WSSRAP				NA	ISM Milestones are complete.
ORAU – ORISE				NA	ISM Milestones are complete.
SURA – T.J. National Accelerator Fac.				NA	ISM Milestones are complete.





LEAD PROGRAM SECRETARIAL OFFICE – ENERGY EFFICIENCY AND RENEWABLE ENERGY

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
National Renewable Energy Lab.				NA	ISM milestones are complete. On May 17, 2000, the Manager, Golden Field Office, declared ISM implemented at all of its sites and facilities.

LEAD PROGRAM SECRETARIAL OFFICE – FOSSIL ENERGY

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
Nat'l Energy Technology Lab (prev., "FETC")				NA	ISM Milestones are complete. On June 21, 2000, the Director, NETL, declared ISM implemented at the NETL.
Strategic Pet. Res. Proj. Mgt. Off. (SPRPMO)				NA	ISM Milestones are complete. On November 23, 1999, the Project Manager, Strategic Petroleum Reserve, declared ISM implemented at all SPR sites.
Albany Research Center (ARC)				NA	ISM Milestones are complete. On June 21, 2000, the Research Director, ARC, declared ISM implemented at ARC.
National Petrol. Technology Office (NPTO)				NA	ISM Milestones are complete. On June 20, 2000, the Director, NPTO, declared ISM implemented at the NPTO.
Naval Petrol. & Oil Shale Resvs. --CO, UT, WY				NA	ISM Milestones are complete. On June 20, 2000, the Director, NPOSR, declared ISM implemented at all NPOSR sites.

LEAD PROGRAM SECRETARIAL OFFICE – RADIOACTIVE WASTE

Site/Facility	Management Self-Assessment System	Phase I	Phase II	Authorization Agreement	Notes
Yucca Mtn. Site Characterization Project				NA	 Phase I Verification is scheduled for July 17-27, 2000. Phase II Verification is scheduled for September 11-21, 2000.